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Express Mail Mailing Label No. EL653442806US

# TRANSMITTAL FORM

Application Serial Number	09/422,999
Filing Date	October 22, 1999
First Named Inventor	Kawasaki
Group Art Unit	1646
Examiner Name	Murphy, J.
Attorney Docket No.	MIT-103
Patent No.	Not applicable
Issue Date	Not applicable

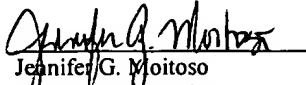
## ENCLOSURES (check all that apply)

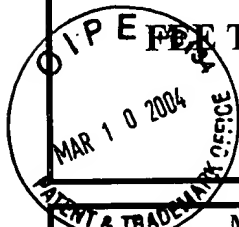
- |   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form<br><br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> Preliminary<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]<br><br><input type="checkbox"/> Petition for Extension of Time<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input checked="" type="checkbox"/> Form PTO-1449<br><input checked="" type="checkbox"/> Copies of IDS Citations<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Sequence Listing submission<br><input type="checkbox"/> Paper Copy/CD<br><input type="checkbox"/> Computer Readable Copy<br><input type="checkbox"/> Statement verifying identity of above | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application<br><br><input type="checkbox"/> Formal Drawing(s)<br><br><input type="checkbox"/> Request For Continued Examination (RCE) Transmittal<br><br><input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application<br><br><input type="checkbox"/> Small Entity Statement<br><br><input type="checkbox"/> CD(s) for large table or computer program<br><br><input type="checkbox"/> Amendment After Allowance<br><br><input type="checkbox"/> Request for Certificate of Correction<br><input type="checkbox"/> Certificate of Correction (in duplicate) | <input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences<br><br><input type="checkbox"/> Appeal Brief (in triplicate)<br><br><input type="checkbox"/> Status Inquiry<br><br><input checked="" type="checkbox"/> Return Receipt Postcard<br><br><input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8<br><br><input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8<br><br><input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) Associate Power of Attorney |
|---|---|---|

## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Respectfully submitted,  
  
  
Jennifer G. Moitoso  
Attorney for Applicants  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
  
Date: March 10, 2004  
Reg. No. 51,752  
Tel. No.: (617) 248-8423  
Fax No.: (617) 248-7100



**FEES TRANSMITTAL**  
FY 2004

Complete if Known

Application Serial Number	09/422,999
Filing Date	October 22, 1999
First Named Inventor	Kawasaki
Group Art Unit	1646
Examiner Name	Murphy, J.
Attorney Docket No.	MIT-103

**METHOD OF PAYMENT**

1. ☒ Payment Enclosed:  
☐ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.  
☐ Required Fees (copy of this sheet enclosed).  
☒ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.
3. ☒ Applicant claims small entity status.

**FEE CALCULATION****1. FILING FEE**

Large Entity Fee (\$)	Fee Description	Fee Paid
770	Utility filing fee	
340	Design filing fee	
160	Provisional filing fee	

Number Filed	Number Extra	Rate	Amount
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Total Claims - 20 = x \$ 18.00 =

Independent Claims - 3 = x \$ 86.00 =

☐ Multiple Dependent Claim(s), if any \$290.00 =

TOTAL:

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$ ) 0.00

**2. AMENDMENT CLAIM FEES**

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
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Total - = x \$ 18.00 =

Indep. - = x \$ 86.00 =

☐ First Presentation of Multiple Dep. Claim + \$290.00 =

TOTAL: (\$ )

SMALL ENTITY DISCOUNT: (\$ )

SUBTOTAL (2) (\$ ) 0.00

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1480	740	Extension for reply within fourth month	
2010	1005	Extension for reply within fifth month	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
130	130	Petitions to the Commissioner	
180	180	Submission of Information Disclosure Statement	180.00
770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
770	385	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
110	55	Submission of Terminal Disclaimer	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$ ) 180.00

SUBTOTAL (1) 0.00

SUBTOTAL (2) 0.00

SUBTOTAL (3) 180.00

TOTAL (\$ ) 180.00

**CORRESPONDENCE ADDRESS**

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Patent Administrator  
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**SIGNATURE BLOCK**

Date: March 10, 2004  
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 Fax No.: (617) 248-7100

Respectfully submitted,

*Jennifer G. Matoso*  
 Jennifer G. Matoso  
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 Boston, MA 02110



Express Mail mailing label No. EL653442806US

PATENT  
Attorney Docket No. MIT-103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Kawasaki, et al.  
SERIAL NO.: 09/422,999 GROUP NO.: 1646  
FILING DATE: October 22, 1999 EXAMINER: Murphy, J.  
TITLE: GENES INTEGRATING SIGNAL TRANSDUCTION PATHWAYS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, OR
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

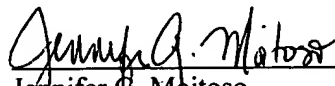
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

  
Jennifer G. Moitoso  
Attorney for Applicants  
Testa, Hurwitz, & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110

Date: March 10, 2004  
Reg. No.: 51,752

Tel. No.: (617) 310-8423  
Fax No.: (617) 248-7100



<b>FORM PTO - 1449</b>				<b>ATTORNEY DOCKET NO.: MIT-103</b>					
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>				<b>APPLICANT(S): Kawasaki et al.</b>					
				<b>SERIAL NO.: 09/422,999</b>					
				<b>FILING DATE: 10/22/99</b>		<b>GROUP NO.: 1646</b>			
<b>U.S. PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE IF APPROPRIATE</b>		
	A1	4,618,598	10-21-86	Conn			04-12-82		
	A2	5,874,464	02-23-99	Marquez <i>et al.</i>			06-13-95		
<b>FOREIGN PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY CODE</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE</b>	<b>ABSTRACT ONLY</b>	<b>ENGLISH LANG (Y/N)</b>
	B2	WO 91/15515	10-17-91	PCT			04-05-91		Y
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>								
	C33	Bos, J., (1998) "All in the family? New insights and questions regarding interconnectivity of Ras, Rap1 and Ral" <u>The EMBO Journal</u> , Vol. 17; No. 23, pp. 6776-6782.							
	C34	Coller <i>et al.</i> , (1995) "New Antiplatelet Agents: Platelet GPIIb/IIIa Antagonists" <u>Thrombosis and Haemostasis</u> , Vol. 74 (1), pp. 302-308.							
	C35	Newman <i>et al.</i> , (January 1985) "Quantitation of Membrane Glycoprotein IIIa on Intact Human Platelets Using the Monoclonal Antibody, AP-3" <u>Blood</u> , Vol. 65; No. 1, pp. 227-232.							
	C36	De Bruyn, (October, 1974) "Rap1 and Ral in signal transduction; The Ras family: molecular switches in signaling cascades," <u>Ras-like small GTPases in platelet biology</u> , University Medical Centre of Utrecht, The Netherlands, Chapter 1; General Introduction							
	C37	Zacharaski <i>et al.</i> , (1990) "Chronic Calcium Antagonist Use in Carcinoma of the Lung and Colon: A Retrospective Cohort Observational Study" <u>Cancer Investigation</u> , Vol. 8 (5), pp. 451-458.							
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>				

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